

## KNOCK-ON SWEEP STRUCTURE

### ABSTRACT OF THE DISCLOSURE

Sweep retaining structure includes a retainer having a contact end biased towards the sweep. The sweep includes two or more spaced end-receiving areas to accommodate changes in the mounted sweep position. In one embodiment, the retainer is a wire made of spring steel having a contact end biased against the underside of the sweep. In one embodiment, the underside of the sweep includes a series of stepped portions. As the sweep is forced on the adapter on the shank, the contact end springs into retaining position on the stepped portion that aligns with the spring end when the sweep is in the mounted position. The sweep can be attached loosely by hand in an initial position with operating forces moving the sweep to a wedge locked position.